

For Research Use Only. Not For Use In Diagnostic Procedures

Version 2.0

## Anti GAPDH Mouse Monoclonal Antibody

Do not eat



Catalog Number : MAN1002

Lot Number : Refer to vial

Packaging Size : 100µL□ 1000µL□

Technical literature is available at: [www.mesgenbio.com](http://www.mesgenbio.com).E-mail MesGen Technical Services if you have questions on use of this system: [tech@mesgenbio.com](mailto:tech@mesgenbio.com)

### Background

GAPDH is an enzyme of ~37kDa that catalyzes the sixth step of glycolysis and thus serves to break down glucose for energy and carbon molecules. In addition to this long established metabolic function, GAPDH has recently been implicated in several non-metabolic processes, including transcription activation, initiation of apoptosis ER to Golgi vesicle shuttling, and fast axonal, or axoplasmic transport. This GAPDH antibody can be used as a loading control antibody. There is no cross-reaction with GAPDH from yeast. Preliminary data indicates that the antibody recognizes the monomer (36 kDa) and also the dimer forms of GAPDH, but not the tetrameric form of the protein.

### Overview

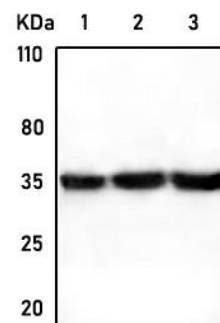
**Description :** Mouse monoclonal antibody to GAPDH [3G7]**Reactivity :** Mouse, Rat, Human**Formulation :** Liquid

### Properties

**Immunogen :** Antibody is produced by immunizing mouse with Full length native protein from human erythrocytes.**Clonality :** 3G7**Isotype :** Mouse IgG1

### Application notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:2000-1:10000) IHC (1:50-1:200) IF/ICC (1:50-1:200)



**Fig.** WB analysis (1:5000) of GAPDH expression in HeLa whole cell lysate (line 1), HEK293 cell lysate (line 2) and Jurkat cell lysate (line 3) with Anti-GAPDH mouse

### Storage instruction

Store at +4 °C short term (1-2 weeks).

Aliquot and store at -20 °C or -80 °C

**Note:** The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.

### References

Molecular Biology of the Cell.2019.30,1060-1068

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